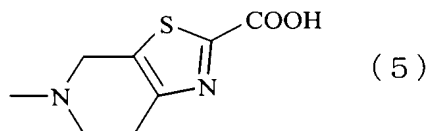


IN THE CLAIMS

Please amend the claims as follows:

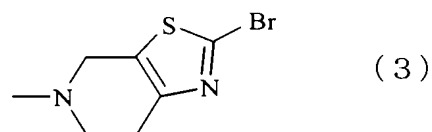
Claim 1 (Withdrawn): A process for producing a compound of formula (5) or a salt thereof:

[F3]



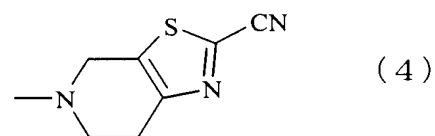
wherein the process is characterized by comprising reacting a compound of formula (3) or a salt thereof:

[F1]



with a metal cyanide, to thereby obtain a compound of formula (4) or a salt thereof:

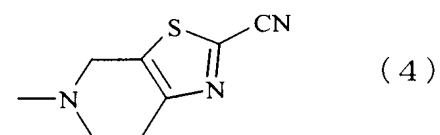
[F2]



and hydrolyzing the obtained compound or a salt thereof.

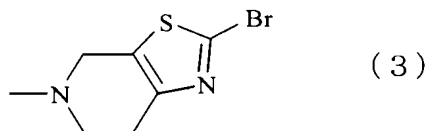
Claim 2 (Withdrawn): A process for producing a compound of formula (4) or a salt thereof:

[F5]



wherein the process is characterized by comprising reacting a compound of formula (3) or a salt thereof:

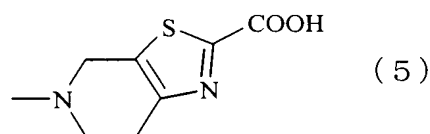
[F4]



with a metal cyanide.

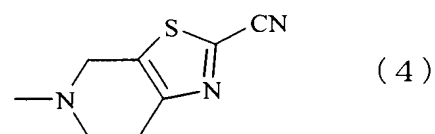
Claim 3 (Withdrawn): A process for producing a compound of formula (5) or a salt thereof:

[F7]



wherein the process is characterized by comprising hydrolyzing a compound of formula (4) or a salt thereof.

[F6]



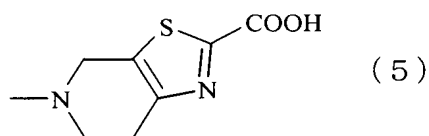
Claim 4 (Withdrawn): The process according to claim 1 or 2, wherein the metal cyanide is a mixture of sodium cyanide and copper cyanide.

Claim 5 (Withdrawn): The process according to claim 1 or 3, wherein the hydrolysis is performed through treatment with an aqueous solution of an alkali metal hydroxide.

Claim 6 (Withdrawn): The process according to claim 5, wherein the alkali metal hydroxide is lithium hydroxide.

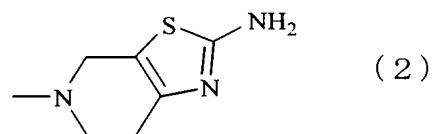
Claim 7 (Withdrawn): A process for producing a compound of formula (5) or a salt thereof:

[F10]



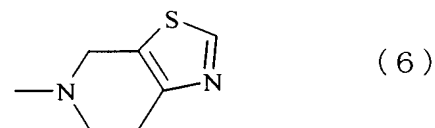
wherein the process is characterized by comprising reacting a compound of formula (2) or a salt thereof:

[F8]



with an alkali metal nitrite in the presence of a reducing agent in an aqueous solution of an acidic compound, to thereby obtain a compound of formula (6) or a salt thereof:

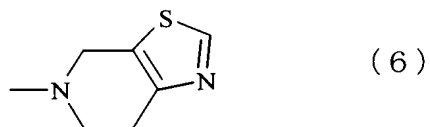
[F9]



and reacting the obtained compound or a salt thereof with trihalogenoacetyl halide in the presence of a base, followed by hydrolysis.

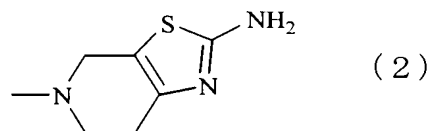
Claim 8 (Withdrawn): A process for producing a compound of formula (6) or a salt thereof:

[F12]



wherein the process is characterized by comprising reacting a compound of formula (2) or a salt thereof:

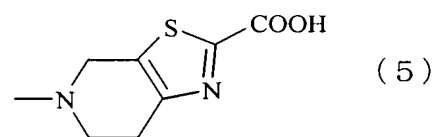
[F11]



with an alkali metal nitrite in the presence of a reducing agent in an aqueous solution of an acidic compound.

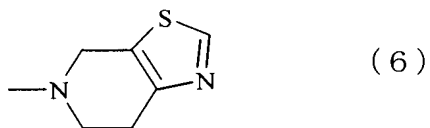
Claim 9 (Withdrawn): A process for producing a compound of formula (5) or a salt thereof:

[F14]



wherein the process is characterized by comprising reacting a compound of formula (6) or a salt thereof:

[F13]



with trihalogenoacetyl halide in the presence of a base, followed by hydrolysis.

Claim 10 (Withdrawn): The process according to claim 7 or 8, wherein the reducing agent is hypophosphorous acid.

Claim 11 (Withdrawn): The process according to claim 7 or 8, wherein the alkali metal nitrite is sodium nitrite.

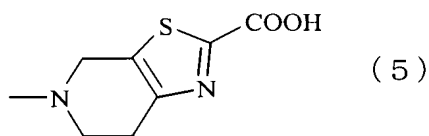
Claim 12 (Withdrawn): The process according to claim 7 or 9, wherein the base is a tertiary amine.

Claim 13 (Withdrawn): The process according to claim 7 or 9, wherein trihalogenoacetyl halide is trichloroacetyl chloride.

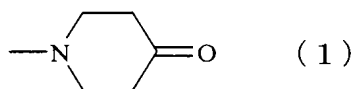
Claim 14 (Withdrawn): The process according to claim 7 or 9, wherein the hydrolysis is performed through treatment with an aqueous solution of an alkali metal hydroxide.

Claim 15 (Withdrawn): The process according to claim 14, wherein the alkali metal hydroxide is lithium hydroxide.

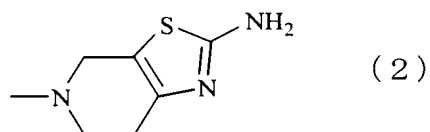
Claim 16 (Currently amended): A process for producing a compound of formula (5) or a salt thereof comprising:



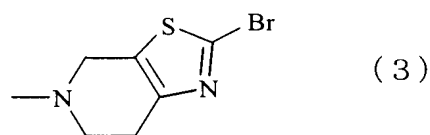
~~wherein the process is characterized by comprising~~ reacting a compound of formula (1) or a salt thereof[[:]]



with sulfur powder and cyanamide in the presence of a secondary amine, to thereby obtain a compound of formula (2) or a salt thereof[[:]];



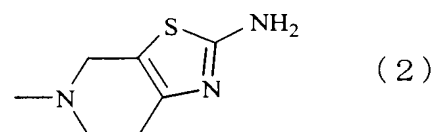
[[and]] reacting the obtained compound (2) or a salt thereof, hydrobromic acid and alkali metal nitrite, to thereby obtain a compound of formula (3) or a salt thereof[[:]];



and reacting the obtained compound (3) or a salt thereof with an alkyllithium and carbon dioxide to obtain the compound of formula (5).

Claim 17 (Withdrawn): A process for producing a compound of formula (2) or a salt thereof:

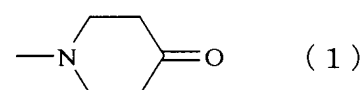
[F20]



wherein the process is characterized by comprising

reacting a compound of formula (1) or a salt thereof:

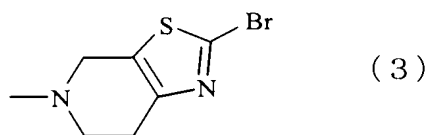
[F19]



with sulfur powder and cyanamide in the presence of a secondary amine.

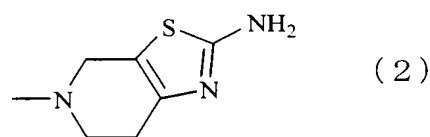
Claim 18 (Withdrawn): A process for producing a compound of formula (3) or a salt thereof:

[F22]



wherein the process is characterized by comprising reacting a compound of formula (2) or a salt thereof:

[F21]



with hydrobromic acid and an alkali metal nitrite.

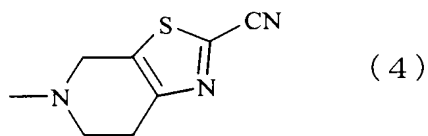
Claim 19 (Currently amended): The process according to claim 16, wherein the alkyllithium is n-butyl lithium.

Claim 20 (Currently amended): The process according to claim 16 ~~or 17~~, wherein the secondary amine is pyrrolidine.

Claim 21 (Currently amended): The process according to claim 16 ~~or 17~~, wherein the alkali metal nitrite is sodium nitrite.

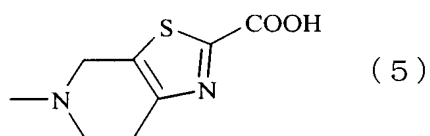
Claim 22 (Withdrawn): A salt formed between an acidic compound and a compound of formula (4).

[F23]



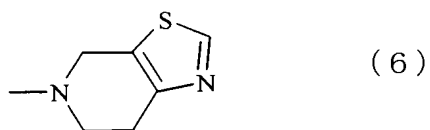
Claim 23 (Withdrawn): A salt formed between an acidic compound and a compound of formula (5).

[F24]



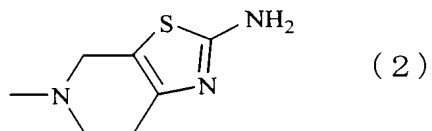
Claim 24 (Withdrawn): A salt formed between an acidic compound and a compound of formula (6).

[F25]



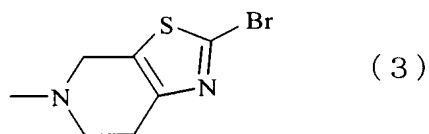
Claim 25 (Withdrawn): A salt formed between an acidic compound and a compound of formula (2).

[F26]



Claim 26 (Withdrawn): A salt formed between an acidic compound and a compound of formula (3).

[F27]



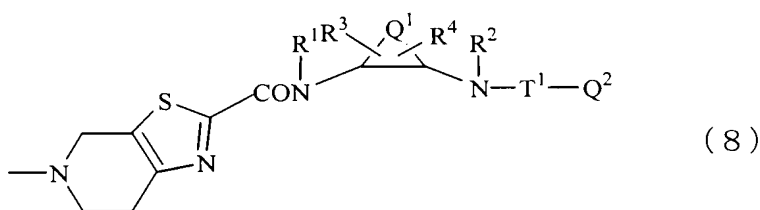
Claim 27 (Withdrawn): The salt according to claim 22 or 23, wherein the acidic compound is hydrochloric acid.

Claim 28 (Withdrawn): The salt according to claim 24 or 26, wherein the acidic compound is p-toluenesulfonic acid.

Claim 29 (Withdrawn): The salt according to claim 25, wherein the acidic compound is hydrobromic acid.

Claim 30 (Withdrawn): A process for producing a compound of formula (8) or a salt thereof:

[F30]



(wherein each of R^1 and R^2 represents hydrogen atom, hydroxyl, alkyl or alkoxy;

Q^1 represents C1-C8 alkylene, C2-C8 alkenylene, or $-(CH_2)_m-CH_2-A-CH_2-(CH_2)_n-$ (wherein each of m and n represents 0 or an integer of 1 to 3 and A represents an oxygen atom, a

nitrogen atom, a sulfur atom, -SO-, -SO₂-, -NH-, -O-NH-, -NH-NH-, -S-NH-, -SO-NH-, or SO₂-NH-);

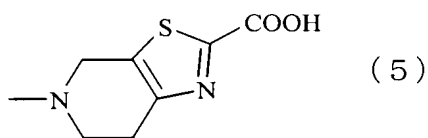
each of R³ and R⁴, which is a substituent linked to a carbon atom, a nitrogen atom, or a sulfur atom forming the Q¹-containing ring, represents a hydrogen atom, hydroxyl, alkyl, alkenyl, alkynyl, a halogen atom, halogenoalkyl, cyano, cyanoalkyl, amino, aminoalkyl, N-alkylaminoalkyl, N,N-dialkylaminoalkyl, acyl, acylalkyl, acylamino which may have a substituent, alkoxyimino, hydroxyimino, acylaminoalkyl, alkoxy, alkoxyalkyl, hydroxyalkyl, carboxyl, carboxyalkyl, alkoxycarbonyl, alkoxycarbonylalkyl, alkoxycarbonylalkylamino, carboxyalkylamino, alkoxycarbonylamino, alkoxycarbonylaminoalkyl, carbamoyl, N-alkylcarbamoyl whose alkyl may or may not be substituted, N,N-dialkylcarbamoyl whose alkyl may or may not be substituted, N-alkenylcarbamoyl, N-alkenylcarbamoylalkyl, N-alkenyl-N-alkylcarbamoyl, N-alkenyl-N-alkylcarbamoylalkyl, N-alkoxycarbamoyl, N-alkyl-N-alkoxycarbamoyl, N-alkoxycarbamoylalkyl, N-alkyl-N-alkoxycarbamoylalkyl, carbazoyl which may be substituted by 1 to 3 alkyl groups, alkylsulfonyl, alkylsulfonylalkyl, 3- to 6-membered heterocyclic carbonyl which may have a substituent, carbamoylalkyl, N-alkylcarbamoylalkyl whose alkyl may or may not be substituted, N,N-dialkylcarbamoylalkyl whose alkyl may or may not be substituted, carbamoyloxyalkyl, N-alkylcarbamoyloxyalkyl, N,N-dialkylcarbamoyloxyalkyl, 3- to 6-membered heterocyclic carbonylalkyl which may have a substituent, 3- to 6-membered heterocyclic carbonyloxyalkyl which may have a substituent, aryl, aralkyl, 3- to 6-membered heterocyclic group which may have a substituent, 3- to 6-membered heterocyclic alkyl which may have a substituent, alkylsulfonylamino, arylsulfonylamino, alkylsulfonylaminoalkyl, arylsulfonylaminoalkyl, alkylsulfonylaminocarbonyl, arylsulfonylaminocarbonyl, alkylsulfonylaminocarbonylalkyl, arylsulfonylaminocarbonylalkyl, oxo, carbamoyloxy, aralkyloxy, carboxyalkyloxy, alkoxycarbonylalkyloxy, acyloxy, acyloxyalkyl, arylsulfonyl, alkoxycarbonylalkylsulfonyl,

carboxyalkylsulfonyl, alkoxyacetyl, alkoxyalkoxyacetyl, hydroxyacetyl, alkoxyacetyl, halogenoacetyl, carboxyacetyl, aminoacetyl, acyloxyacetyl, acyloxyalkylsulfonyl, hydroxyalkylsulfonyl, alkoxyalkylsulfonyl, 3- to 6-membered heterocyclic sulfonyl which may have a substituent, 3- to 6-membered heterocyclic oxy which may have a substituent, N-alkylaminoacetyl, N,N-dialkylaminoacetyl, N,N-dialkylcarbamoylacetyl whose alkyl may or may not be substituted, N,N-dialkylcarbamoylalkylsulfonyl whose alkyl may or may not be substituted, alkylsulfonylacetyl, N-arylcarbamoyl, N-3- to 6-membered heterocyclic carbamoyl, N-alkyl-N-arylcarbamoyl, N-alkyl-N-3- to 6-membered heterocyclic carbamoyl, N-arylcarbamoylalkyl, N-3- to 6-membered heterocyclic carbamoylalkyl, N-alkyl-N-arylcarbamoylalkyl, N-alkyl-N-3- to 6-membered heterocyclic carbamoylalkyl, aminocarbothioyl, N-alkylaminocarbothioyl, N,N-dialkylaminocarbothioyl, alkoxyalkyl(thiocarbonyl), alkylthioalkyl, or N-acyl-N-alkylaminoalkyl; when R³ and R⁴ are linked together to form a group, the group represents C1-C5 alkylene, C2-C5 alkenylene, C1-C5 alkylendioxy, or carbonyldioxy;

Q² represents aryl which may have a substituent, arylalkenyl which may have a substituent, arylalkynyl which may have a substituent, heteroaryl which may have a substituent, heteroarylalkenyl which may have a substituent, a saturated or unsaturated bicyclic or tricyclic condensed hydrocarbon group which may have a substituent, or a saturated or unsaturated bicyclic or tricyclic condensed heterocyclic group which may have a substituent; T¹ represents carbonyl, sulfonyl, -C(=O)-C(=O)-N(R')-, -C(=S)-C(=O)-N(R')-, -C(=O)-C(=S)-N(R')-, -C(=S)-C(=S)-N(R')- (wherein R' represents a hydrogen atom, hydroxyl, alkyl, or alkoxy), -C(=O)-A¹-N(R'')- (wherein A¹ represents an C1-C5 alkylene which may have a substituent and R'' represents a hydrogen atom, hydroxyl, alkyl, or alkoxy), -C(=O)-NH-, -C(=S)-NH-, -C(=O)-NH-NH-, -C(=O)-A²-C(=O)- (wherein A² represents a single bond or C1-C5 alkylene), -C(=O)-A³-C(=O)-NH- (wherein A³ represents C1-C5 alkylene), -C(=O)-

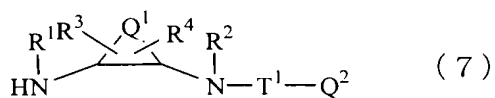
$C(=NOR^a)-N(R^b)-$, $-C(=S)-C(=NOR^a)-N(R^b)-$ (wherein R^a represents a hydrogen atom, alkyl, or alkanoyl and R^b represents a hydrogen atom, hydroxyl, alkyl, or alkoxy), $-C(=O)-N=N-$, $-C(=S)-N=N-$, $-C(=NOR^c)-C(=O)-N(R^d)-$ (wherein R^c represents a hydrogen atom, alkyl, alkanoyl, aryl, or aralkyl and R^d represents a hydrogen atom, hydroxyl, alkyl, or alkoxy), $-C(=N-N(R^e)(R^f))-C(=O)-N(R^g)-$ (wherein, each of R^e and R^f represents a hydrogen atom, alkyl, alkanoyl, or alkyl(thiocarbonyl) and R^g represents a hydrogen atom, hydroxyl, alkyl, or alkoxy), $-C(=O)-NH-C(=O)-$, $-C(=S)-NH-C(=O)-$, $-C(=O)-NH-C(=S)-$, $-C(=S)-NHC(=S)-$, $-C(=O)-NH-SO_2-$, $-SO_2-NH-$, $-C(=NCN)-NH-C(=O)-$, $-C(=S)-C(=O)-$, or thiocarbonyl), wherein the process is characterized by comprising reacting a compound which is represented by formula (5) and which is produced through a process according to claim 1, 3, 7, 9, or 16 or a salt thereof:

[F28]



with diamines of formula (7) or a salt thereof:

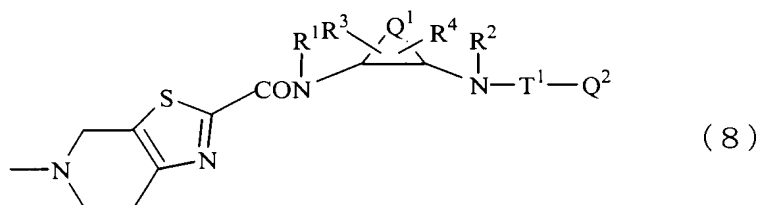
[F29]



(wherein R^1 , R^2 , R^3 , R^4 , T^1 , Q^1 , and Q^2 have the same meanings as described above).

Claim 31 (Withdrawn): A process for producing a compound of formula (8) or a salt thereof:

[F36]



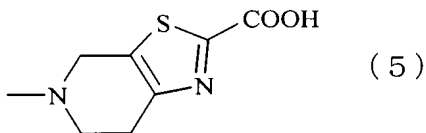
(wherein each of R^1 and R^2 represents a hydrogen atom, hydroxyl, alkyl or alkoxy;
 Q^1 represents C1-C8 alkylene, C2-C8 alkenylene, or $-(CH_2)_m-CH_2-A-CH_2-(CH_2)_n-$ (wherein each of m and n represents 0 or an integer of 1 to 3 and A represents an oxygen atom, a nitrogen atom, a sulfur atom, $-SO-$, $-SO_2-$, $-NH-$, $-O-NH-$, $-NH-NH-$, $-S-NH-$, $-SO-NH-$, or SO_2-NH-);
 each of R^3 and R^4 , which is a substituent linked to a carbon atom, a nitrogen atom, or a sulfur atom forming the Q^1 -containing ring, represents a hydrogen atom, hydroxyl, alkyl, alkenyl, alkynyl, a halogen atom, halogenoalkyl, cyano, cyanoalkyl, amino, aminoalkyl, N-alkylaminoalkyl, N,N-dialkylaminoalkyl, acyl, acylalkyl, acylamino which may have a substituent, alkoxyimino, hydroxyimino, acylaminoalkyl, alkoxy, alkoxyalkyl, hydroxyalkyl, carboxyl, carboxyalkyl, alkoxycarbonyl, alkoxycarbonylalkyl, alkoxycarbonylalkylamino, carboxyalkylamino, alkoxycarbonylamino, alkoxycarbonylaminoalkyl, carbamoyl, N-alkylcarbamoyl whose alkyl may or may not be substituted, N,N-dialkylcarbamoyl whose alkyl may or may not be substituted, N-alkenylcarbamoyl, N-alkenylcarbamoylalkyl, N-alkenyl-N-alkylcarbamoyl, N-alkenyl-N-alkylcarbamoylalkyl, N-alkoxycarbamoyl, N-alkyl-N-alkoxycarbamoyl, N-alkoxycarbamoylalkyl, N-alkyl-N-alkoxycarbamoylalkyl, carbazoyl which may be substituted by 1 to 3 alkyl groups, alkylsulfonyl, alkylsulfonylalkyl, 3- to 6-membered heterocyclic carbonyl which may have a substituent, carbamoylalkyl, N-alkylcarbamoylalkyl whose alkyl may or may not be substituted, N,N-dialkylcarbamoylalkyl whose alkyl may or may not be substituted, carbamoyloxyalkyl, N-alkylcarbamoyloxyalkyl, N,N-dialkylcarbamoyloxyalkyl, 3- to 6-membered heterocyclic carbonylalkyl which may have a substituent, 3- to 6-membered heterocyclic carbonyloxyalkyl which may have a

substituent, aryl, aralkyl, 3- to 6-membered heterocyclic group which may have a substituent, 3- to 6-membered heterocyclic alkyl which may have a substituent, alkylsulfonylamino, arylsulfonylamino, alkylsulfonylaminoalkyl, arylsulfonylaminoalkyl, alkylsulfonylaminocarbonyl, arylsulfonylaminocarbonyl, alkylsulfonylaminocarbonylalkyl, arylsulfonylaminocarbonylalkyl, oxo, carbamoyloxy, aralkyloxy, carboxyalkyloxy, alkoxycarbonylalkyloxy, acyloxy, acyloxyalkyl, arylsulfonyl, alkoxycarbonylalkylsulfonyl, carboxyalkylsulfonyl, alkoxycarbonylacyl, alkoxylalkyloxycarbonyl, hydroxyacyl, alkoxylacyl, halogenoacyl, carboxylacyl, aminoacyl, acyloxyacyl, acyloxyalkylsulfonyl, hydroxyalkylsulfonyl, alkoxylalkylsulfonyl, 3- to 6-membered heterocyclic sulfonyl which may have a substituent, 3- to 6-membered heterocyclic oxy which may have a substituent, N-alkylaminoacyl, N,N-dialkylaminoacyl, N,N-dialkylcarbamoylacyl whose alkyl may or may not be substituted, N,N-dialkylcarbamoylalkylsulfonyl whose alkyl may or may not be substituted, alkylsulfonylacyl, N-arylcarbamoyl, N-3- to 6-membered heterocyclic carbamoyl, N-alkyl-N-arylcarbamoyl, N-alkyl-N-3- to 6-membered heterocyclic carbamoyl, N-arylcarbamoylalkyl, N-3- to 6-membered heterocyclic carbamoylalkyl, N-alkyl-N-arylcarbamoylalkyl, N-alkyl-N-3- to 6-membered heterocyclic carbamoylalkyl, aminocarbothioyl, N-alkylaminocarbothioyl, N,N-dialkylaminocarbothioyl, alkoxylalkyl(thiocarbonyl), alkylthioalkyl, or N-acyl-N-alkylaminoalkyl; when R³ and R⁴ are linked together to form a group, the group represents C1-C5 alkylene, C2-C5 alkenylene, C1-C5 alkylendioxy, or carbonyldioxy;

Q² represents aryl which may have a substituent, arylalkenyl which may have a substituent, arylalkynyl which may have a substituent, heteroaryl which may have a substituent, heteroarylalkenyl which may have a substituent, a saturated or unsaturated bicyclic or tricyclic condensed hydrocarbon group which may have a substituent, or a saturated or unsaturated bicyclic or tricyclic condensed heterocyclic group which may have a substituent;

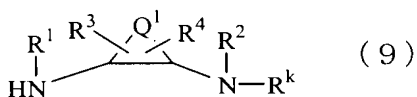
T¹ represents carbonyl, sulfonyl, -C(=O)-C(=O)-N(R')-, -C(=S)-C(=O)-N(R')-, -C(=O)-C(=S)-N(R')-, -C(=S)-C(=S)-N(R')- (wherein R' represents a hydrogen atom, hydroxyl, alkyl, or alkoxy), -C(=O)-A¹-N(R'')- (wherein A¹ represents an C1-C5 alkylene which may have a substituent and R'' represents a hydrogen atom, hydroxyl, alkyl, or alkoxy), -C(=O)-NH-, -C(=S)-NH-, -C(=O)-NH-NH-, -C(=O)-A²-C(=O)- (wherein A² represents a single bond or C1-C5 alkylene), -C(=O)-A³-C(=O)-NH- (wherein A³ represents C1-C5 alkylene), -C(=O)-C(=NOR^a)-N(R^b)-, -C(=S)-C(=NOR^a)-N(R^b)- (wherein R^a represents a hydrogen atom, alkyl, or alkanoyl and R^b represents a hydrogen atom, hydroxyl, alkyl, or alkoxy), -C(=O)-N=N-, -C(=S)-N=N-, -C(=NOR^c)-C(=O)-N(R^d)- (wherein R^c represents a hydrogen atom, alkyl, alkanoyl, aryl, or aralkyl and R^d represents a hydrogen atom, hydroxyl, alkyl, or alkoxy), -C(=N-N(R^e)(R^f))-C(=O)-N(R^g)- (wherein, each of R^e and R^f represents a hydrogen atom, alkyl, alkanoyl, or alkyl(thiocarbonyl) and R^g represents a hydrogen atom, hydroxyl, alkyl, or alkoxy), -C(=O)-NH-C(=O)-, -C(=S)-NH-C(=O)-, -C(=O)-NH-C(=S)-, -C(=S)-NHC(=S)-, -C(=O)-NH-SO₂-, -SO₂-NH-, -C(=NCN)-NH-C(=O)-, -C(=S)-C(=O)-, or thiocarbonyl), wherein the process is characterized by comprising reacting a compound which is represented by formula (5) and which is produced through a process according to claim 1, 3, 7, 9, or 16 or a salt thereof:

[F31]



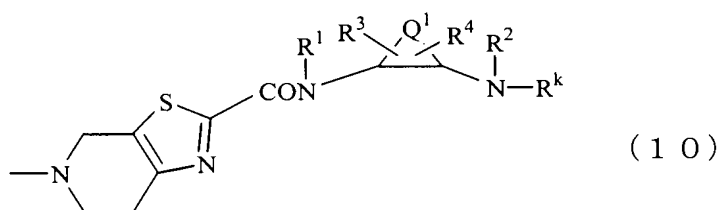
with diamines of formula (9) or a salt thereof:

[F32]



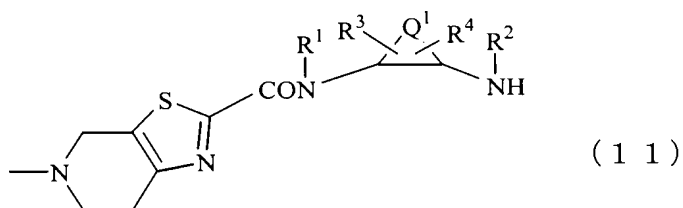
(wherein R^k is an amino-group-protective group and R^1 , R^2 , R^3 , R^4 , and Q^1 have the same meanings as described above) to thereby obtain a compound of formula (10):

[F33]



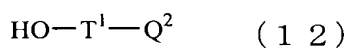
(wherein R^1 , R^2 , R^3 , R^4 , Q^1 , and R^k have the same meanings as described above), and removing R^k from the obtained compound or a salt thereof, to thereby produce a compound of formula (11) or a salt thereof:

[F34]



(wherein R^1 , R^2 , R^3 , R^4 , and Q^1 have the same meanings as described above), and reacting the obtained compound or a salt thereof with a compound of formula (12) or a salt thereof:

[F35]



(wherein T^1 and Q^2 have the same meanings as described above).

Claim 32 (Withdrawn): A process for producing a compound of formula (8'):

[F42]



Q¹ represents C1-C8 alkylene, C2-C8 alkenylene, or $-(CH_2)_m-CH_2-A-CH_2-(CH_2)_n-$ (wherein each of m and n represents 0 or an integer of 1 to 3 and A represents an oxygen atom, a nitrogen atom, a sulfur atom, -SO-, -SO₂-, -NH-, -O-NH-, -NH-NH-, -S-NH-, -SO-NH-, or SO₂-NH-);

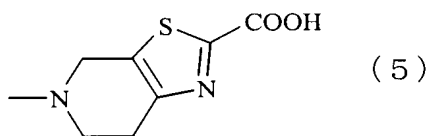
18

substituent, aryl, aralkyl, 3- to 6-membered heterocyclic group which may have a substituent, 3- to 6-membered heterocyclic alkyl which may have a substituent, alkylsulfonylamino, arylsulfonylamino, alkylsulfonylaminoalkyl, arylsulfonylaminoalkyl, alkylsulfonylaminocarbonyl, arylsulfonylaminocarbonyl, alkylsulfonylaminocarbonylalkyl, arylsulfonylaminocarbonylalkyl, oxo, carbamoyloxy, aralkyloxy, carboxyalkyloxy, alkoxycarbonylalkyloxy, acyloxy, acyloxyalkyl, arylsulfonyl, alkoxycarbonylalkylsulfonyl, carboxyalkylsulfonyl, alkoxycarbonylacyl, alkoxylalkyloxycarbonyl, hydroxyacyl, alkoxylacyl, halogenoacyl, carboxylacyl, aminoacyl, acyloxyacyl, acyloxyalkylsulfonyl, hydroxyalkylsulfonyl, alkoxylalkylsulfonyl, 3- to 6-membered heterocyclic sulfonyl which may have a substituent, 3- to 6-membered heterocyclic oxy which may have a substituent, N-alkylaminoacyl, N,N-dialkylaminoacyl, N,N-dialkylcarbamoylacyl whose alkyl may or may not be substituted, N,N-dialkylcarbamoylalkylsulfonyl whose alkyl may or may not be substituted, alkylsulfonylacyl, N-arylcarbamoyl, N-3- to 6-membered heterocyclic carbamoyl, N-alkyl-N-arylcarbamoyl, N-alkyl-N-3- to 6-membered heterocyclic carbamoyl, N-arylcarbamoylalkyl, N-3- to 6-membered heterocyclic carbamoylalkyl, N-alkyl-N-arylcarbamoylalkyl, N-alkyl-N-3- to 6-membered heterocyclic carbamoylalkyl, aminocarbothioyl, N-alkylaminocarbothioyl, N,N-dialkylaminocarbothioyl, alkoxylalkyl(thiocarbonyl), alkylthioalkyl, or N-acyl-N-alkylaminoalkyl; when R³ and R⁴ are linked together to form a group, the group represents C1-C5 alkylene, C2-C5 alkenylene, C1-C5 alkylenedioxy, or carbonyldioxy;

Q² represents aryl which may have a substituent, arylalkenyl which may have a substituent, arylalkynyl which may have a substituent, heteroaryl which may have a substituent, heteroarylalkenyl which may have a substituent, a saturated or unsaturated bicyclic or tricyclic condensed hydrocarbon group which may have a substituent, or a saturated or unsaturated bicyclic or tricyclic condensed heterocyclic group which may have a substituent;

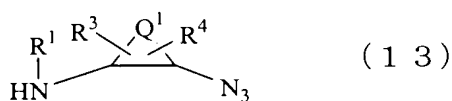
T¹ represents carbonyl, sulfonyl, -C(=O)-C(=O)-N(R')-, -C(=S)-C(=O)-N(R')-, -C(=O)-C(=S)-N(R')-, -C(=S)-C(=S)-N(R')- (wherein R' represents a hydrogen atom, hydroxyl, alkyl, or alkoxy), -C(=O)-A¹-N(R'')- (wherein A¹ represents an C1-C5 alkylene which may have a substituent and R'' represents a hydrogen atom, hydroxyl, alkyl, or alkoxy), -C(=O)-NH-, -C(=S)-NH-, -C(=O)-NH-NH-, -C(=O)-A²-C(=O)- (wherein A² represents a single bond or C1-C5 alkylene), -C(=O)-A³-C(=O)-NH- (wherein A³ represents C1-C5 alkylene), -C(=O)-C(=NOR^a)-N(R^b)-, -C(=S)-C(=NOR^a)-N(R^b)- (wherein R^a represents a hydrogen atom, alkyl, or alkanoyl and R^b represents a hydrogen atom, hydroxyl, alkyl, or alkoxy), -C(=O)-N=N-, -C(=S)-N=N-, -C(=NOR^c)-C(=O)-N(R^d)- (wherein R^c represents a hydrogen atom, alkyl, alkanoyl, aryl, or aralkyl and R^d represents a hydrogen atom, hydroxyl, alkyl, or alkoxy), -C(=N-N(R^e)(R^f))-C(=O)-N(R^g)- (wherein, each of R^e and R^f represents a hydrogen atom, alkyl, alkanoyl, or alkyl(thiocarbonyl) and R^g represents a hydrogen atom, hydroxyl, alkyl, or alkoxy), -C(=O)-NH-C(=O)-, -C(=S)-NH-C(=O)-, -C(=O)-NH-C(=S)-, -C(=S)-NHC(=S)-, -C(=O)-NH-SO₂-, -SO₂-NH-, -C(=NCN)-NH-C(=O)-, -C(=S)-C(=O)-, or thiocarbonyl), wherein the process is characterized by comprising reacting a compound which is represented by formula (5) and which is produced through a process according to claim 1, 3, 7, 9, or 16 or a salt thereof:

[F37]



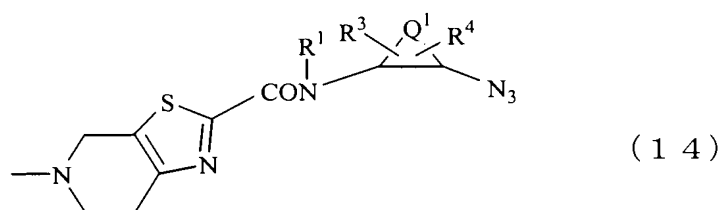
with diamines of formula (13) or a salt thereof:

[F37]



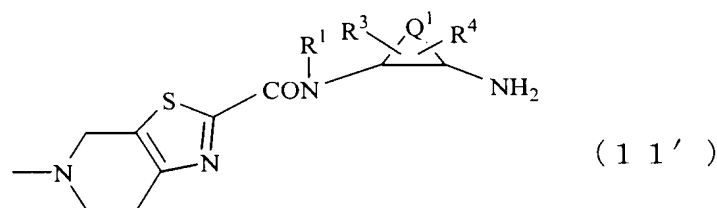
(wherein R^1 , R^3 , R^4 , and Q^1 have the same meanings as described above) to thereby obtain a compound of formula (14) or a salt thereof:

[F39]



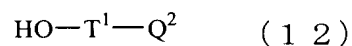
(wherein R^1 , R^3 , R^4 , and Q^1 have the same meanings as described above), and reducing the obtained compound or a salt thereof, to thereby yield a compound of formula (11') or a salt thereof:

[F40]



(wherein R^1 , R^3 , R^4 , and Q^1 have the same meanings as described above), and reacting the obtained compound or a salt thereof with a compound of formula (12) or a salt thereof:

[F41]



(wherein T^1 and Q^2 have the same meanings as described above).